

Land Classification Interpretations

Prime and Important Farmland

Prime farmland is land that has the best combination of physical and chemical characteristics for producing food, feed, forage, fiber, and oilseed crops, and is also available for these uses (the land could be cropland, pastureland, forest land, or other land, but not urban built-up land or water). It has the soil quality, growing season, and moisture supply needed to economically produce sustained high yields of crops when treated and managed, including water management, according to acceptable farming methods.

In general, prime farmlands have an adequate and dependable water supply from precipitation or irrigation, a favorable temperature and growing season, acceptable acidity or alkalinity, acceptable salt content, and few or no rocks. They are permeable to water and air. Prime farmlands are not excessively erodible or saturated with water for a long period of time, and they either do not flood frequently or are protected from flooding.

This section includes lists of soil survey map units that meet the soil requirements for prime farmland in the county and state. Soils that have limitations, such as a high water table or flooding, may qualify as prime farmland if these limitations are overcome by such measures as drainage or flood control. State important soils are also noted.

This subsection includes:

- **(a) County Prime Farmland List**
- **(b) Missouri's Soil Survey Mapping Units Denoting Prime Farmland and Farmland of Statewide Importance**

Lafayette County, Missouri
Prime Farmland

(Only the soils considered prime farmland are listed. Urban or built-up areas of the soils listed are not considered prime farmland. If a soil is prime farmland only under certain conditions, the conditions are specified in parentheses after the soil name.)

Map symbol	Soil name
Bk	BLACKOAR AND OTTER SILT LOAMS, OCCASIONALLY FLOODED (Prime farmland if drained)
Bo	BOOKER SILTY CLAY, OCCASIONALLY FLOODED (Prime farmland if drained)
BrB	BREMER SILT LOAM, 1 TO 5 PERCENT SLOPES (Prime farmland if drained)
Co	COLO SILTY CLAY LOAM, OCCASIONALLY FLOODED (Prime farmland if drained)
Do	DOCKERY SILT LOAM, OCCASIONALLY FLOODED
Ha	HAYNIE SILT LOAM, OCCASIONALLY FLOODED
Ke	KENNEBEC SILT LOAM, OCCASIONALLY FLOODED
KnB	KNOX SILT LOAM, 2 TO 5 PERCENT SLOPES
LeB	LESLIE SILT LOAM, 2 TO 5 PERCENT SLOPES
Lt	LETA SILTY CLAY, OCCASIONALLY FLOODED
MaB	MACKSBURG SILT LOAM, 0 TO 5 PERCENT SLOPES
MaB2	MACKSBURG SILT LOAM, 2 TO 5 PERCENT SLOPES, ERODED
MhB	MARSHALL SILT LOAM, 2 TO 5 PERCENT SLOPES
MkB	MCGIRK SILT LOAM, 2 TO 5 PERCENT SLOPES
MnB	MINDEN SILT LOAM, 1 TO 5 PERCENT SLOPES
Mo	MODALE SILT LOAM, OCCASIONALLY FLOODED
MtB	MONITEAU SILT LOAM, 1 TO 4 PERCENT SLOPES, OCCASIONALLY FLOODED (Prime farmland if drained)
No	NODAWAY SILT LOAM, OCCASIONALLY FLOODED
Ra	RAY SILT LOAM, OCCASIONALLY FLOODED
SaB	SAMPSEL SILTY CLAY LOAM, 2 TO 5 PERCENT SLOPES (Prime farmland if drained)
Wa	WALDRON SILTY CLAY LOAM, OCCASIONALLY FLOODED
Wb	WAUBONSIE AND HAYNIE SOILS, OCCASIONALLY FLOODED
WdB	WINFIELD SILT LOAM, 2 TO 5 PERCENT SLOPES
Zo	ZOOK SILTY CLAY LOAM, OCCASIONALLY FLOODED (Prime farmland if drained)